

## **CLAIMS**

1. A circuit to detect pin layer reversal, comprising:  
an input circuit to receive an input signal having a first portion to indicate a pin  
5 layer reversal and having a second portion to indicate a servo sync mark;  
a first servo sync mark detector for detecting a positive servo sync mark from  
said input signal;  
a second servo sync mark detector for detecting a negative servo sync mark  
from said input signal; and  
10 a circuit responsive to said positive servo sync mark and said negative servo  
sync mark to generate a signal to indicate if said servo sync mark has been reversed  
and to generate a signal to indicate said pin layer reversal.

2. A circuit to detect pin layer reversal, as in Claim 1, wherein said circuit  
responsive to said positive and negative servo sync mark includes an exclusive OR  
circuit.

3. A circuit to detect pin layer reversal, as in Claim 1, wherein said circuit  
responsive to said positive and negative servo sync mark includes an AND circuit.